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NOTICE OF ALLOWANCE AND FEE(S) DUE

26161

7590

03/09/2010

FISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022 EXAMINER

HO, CHUONG T

ART UNIT PAPER NUMBER

2476

DATE MAILED: 03/09/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,211	01/23/2006	Shaohua Yu 1	8017-004US1/C05W0012/02	U 5190

TITLE OF INVENTION: MULTIPLE SERVICE RING OF N-RINGLET STRUCTURE BASED ON MULTIPLE FE, GE AND 10GE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	06/09/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further indicated unless correcte maintenance fee notificate		ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of rails) specifying a new corres	naintenance fees will pondence address; an	be mailed to the current d/or (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for
		ock 1 for any change of address)	Fee((s) Transmittal. This ce ers. Each additional pa	ertificate cannot be used f	or domestic mailings of the for any other accompanying nt or formal drawing, must
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						(Depositor's name)
						(Signature)
	_					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	TTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,211 FITLE OF INVENTION	01/23/2006 : MULTIPLE SERVICE	ERING OF N-RINGLET	Shaohua Yu STRUCTURE BASED O		7-004US1/C05W0012/02U E AND 10GE	J 5190
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nonprovisional	YES	\$755	\$300	\$0	\$1055	06/09/2010
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"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required.	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach	Indication form led. Use of a Customer	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto listed, no name will be THE PATENT (print or type data will appear on the position of the patent and the patent attorney or the patent appear on the patent appear appea	3 registered patent at vely, e firm (having as a magent) and the names or meys or agents. If no printed.	ember a 2 of up to name is 3	ocument has been filed for
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a. Applicant claim	tus (from status indicated s SMALL ENTITY stated Publication Fee (if rec	is. See 37 CFR 1.27.	b. Applicant is no long			
interest as shown by the	records of the United Sta	ites Patent and Trademark	Office.	ne appneant; a register	ca anomey of agent; of the	ne assignee or other party in
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P.O. BOX 1022			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, N	MN 55440-1022		2476		
			DATE MAILED: 03/09/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 713 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 713 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Annliantian Na	Applicant(a)	
	Application No.	Applicant(s)	
Notice of Allowability	10/534,211	YU, SHAOHUA	
Notice of Allowability	Examiner	Art Unit	
	CHUONG T. HO	2476	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due cours	
1. X This communication is responsive to RCE and IDS filed 02	<u>2/12/2010</u> .		
2. X The allowed claim(s) is/are <u>1,4,-8,10-11,14-18,20-22 renur</u>	mbered 1-16 respectively.		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.	, , , ,	
3. Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage application fr	om the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requiren	nents
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			he
Attachment(s)	E Nation of	Informal Patent Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		Informal Patent Application Summary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No	o./Mail Date 's Amendment/Comment	
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 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		's Statement of Reasons for Allowanc	е
	9. Other		
	/Ayaz R. She Supervisory P	ikh/ atent Examiner, Art Unit 2476	

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/12/2010 has been entered.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 02/10/2010, 02/12/2010 was filed after the mailing date of the **Notice of Allowance on 12/02/09**. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

- 3. Claims 1, 4-8, 10, 11, 14-18, 20-22 are allowed.
- 4. The following is a statement of reasons for the indication of allowable subject matter: Claim 1 is allowed. The prior art fails to disclose a ring management unit for controlling use of ringlets in the at least one aggregate pipe, wherein controlling use of ringlets comprises assigning an (n-1)-th ringlet to transport data packets in a

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unidirectional direction and an n-th ringlet to transport control packets in a direction opposite to the unidirectional direction, where 1 < n < = N

Claim 11 is allowed. The prior art fails to disclose wherein the method further comprises controlling use of ringlets in the at least one aggregate pipe, wherein controlling use of ringlets comprises assigning an (n-1)-th ringlet to transport data packets in a unidirectional direction and an n-th ringlet to transport control packets in a direction opposite to the unidirectional direction, where 1 < n < = N

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571)272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sheikh Ayaz can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chuong. T. Ho./ Examiner, Art Unit 2476 /Ayaz R. Sheikh/

Supervisory Patent Examiner, Art Unit 2476